

AMENDMENTS TO THE CLAIMS

The following is a listing of claims presently in the application.

1. (original) A polynucleotide consisting of the base sequence of SEQ ID NO: 2, or a complementary strand thereto, wherein the X is one of the group being defined by the bases A, C or T.
2. (original) A polynucleotide according to claim 1, wherein the polynucleotide is at the least a part of a gene.
3. (original) A recombinant vector comprising a polynucleotide according to claim 1.
4. (original) A DNA probe specific for the polynucleotide of claim 1, wherein it contains more than 10 consecutive nucleotides from the nucleotide, or the complementary strand.
5. (original) A method of proving parkinsonism inheritance, by screening a sample of material taken from the subject of interest, with a probe according to claim 5.
6. (original) DNA primer specific for the polynucleotide of claim 1, wherein it contains more than 10 consecutive nucleotides from the nucleotide, or the complementary strand.
7. (original) Use of a polynucleotide according to claim 1, or a vector according to claim 4, to transfect an

organism.

8. (original) Use according to claim 7, wherein the organism is a mammal.

9. (original) A peptide consisting of the base sequence of SEQ ID NO:1, wherein the x is not glycine.